

## **PSEUDORADIAL ELECTROPHORESIS CHIP**

### **ABSTRACT OF THE INVENTION**

5           A microfabricated capillary array electrophoresis chip includes a planar  
substrate having a first major surface defining converging first and second elongate  
separation channels. Each separation channel extends between an associated cathode  
port and anode port defined by the first major surface. The substrate further  
comprises a first perimetrical edge segment extending substantially along the first  
10 separation channel, and a second perimetrical edge segment extending substantially  
along the second separation channel. The perimetrical edge segments of a pair of  
chips of the present invention are cooperatively engageable so as to provide an  
electrophoresis separation plate having pseudoradially-aligned separation channels.